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**Figure 1a**

atgcagaaggaagtggagcagaactctggacccctcagtgttccagagggagccatt  
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**Figure 1b**

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Figure 2a

MQ

K<sub>1</sub>EVEQNSGPL SVPEGAIASL NCTYSDRGSQ SFFWYRQYSG KSPELIMSIY  
SNGDKEDGRF TAQLNKASQY VSLLIRDSQP SDSATYLCAV TTDSWGKLQF  
GAGTQVVVTP DIQNPDPAVY QLRDSKSSDK SVCLFTDFDS QTNVSQSKDS  
DVYITDKCVL DMRSMDFKSN SAVAWSNKSD FACANAFNNS IIPEDTFFPS  
PESS\*

Figure 2b

M

N<sub>1</sub>AGVTQTPKF QVLKTGQSMT LQCAQDMNHE YMSWYRQDPG MGLRLIHYSV  
GAGITDQGEV PNGYNVSRST TEDFPLRLLS AAPSQTSVYF CASRPGLAGG  
RPEQYFGPGT RLTVTEDLKN VFPPEVAVFE PSEAEISHTQ KATLVCLATG  
FYPDHVELSW WVNGKEVHSG VCTDPQPLKE QPALNDSRYA LSSRLRVSAT  
FWQDPRNHFR CQVQFYGLSE NDEWTQDRAK PVTQIVSAEA WGRAD\*

P G G G S G G G G S G G G G  
CCC GGG GGT GGC TCT GGC GGT GGC GGT TCA GGC GGT GGC GGA  
GGG CCC CCA CCG AGA CCG CCA CCG CCA AGT CCG CCA CCG CCT

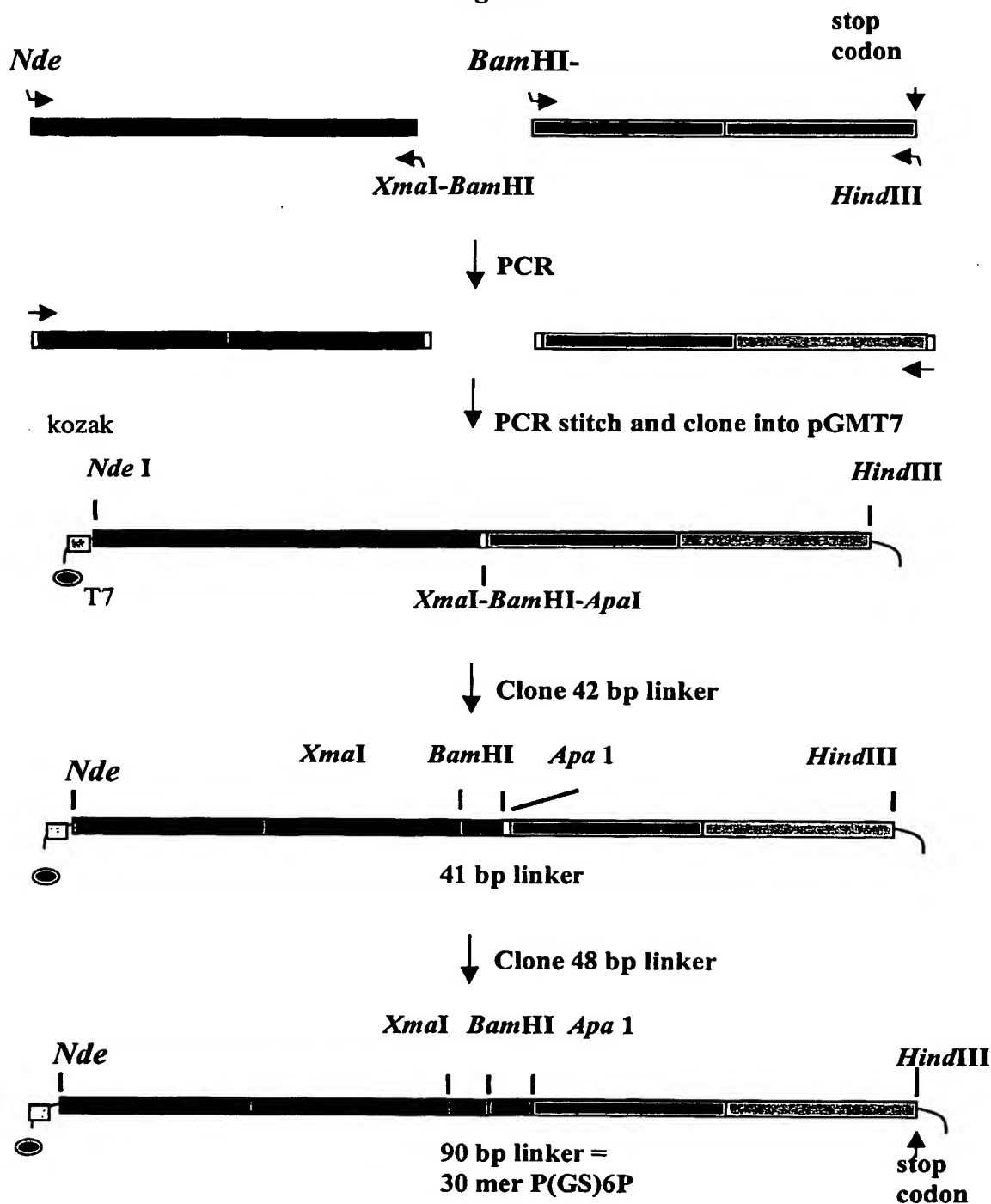
S G G G G S G G G G S G G G  
TCC GGC GGT GGC GGT TCG GGT GGC GGT GGC TCA GGC GGT GGC  
AGG CCG CCA CCG CCA AGC CCA CCG CCA CCG AGT CCG CCA CCG

G P  
GGG CCC  
CCC GGG

Figure 3

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Figure 4



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Figure 5a

atgcagaagtgagcagaactctggaccctcagtggtccagaggagccattgcctctctcaactgcacttacagtgaccgaggttcccagtccttcttctggt  
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Figure 5b

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DFACANAFNNSIIPEDTFFSPESPSSPGGGSGGGSGGGSGGGSGGGGPNAGVT  
QTPKFQVLKTGQSMTLQCAQDMNHEYMSWYRQDPGMGLRLIHYSVGAGITDQGEVPNG  
YNVSRSTEDFPLRLLSAAPSQTSVYFCASRPGLAGGRPEQYFGPGTRLTVTEDLKNVFPF  
EAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWVNGKEVHSGVCTDPQPLKEQPAL  
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AD Stop

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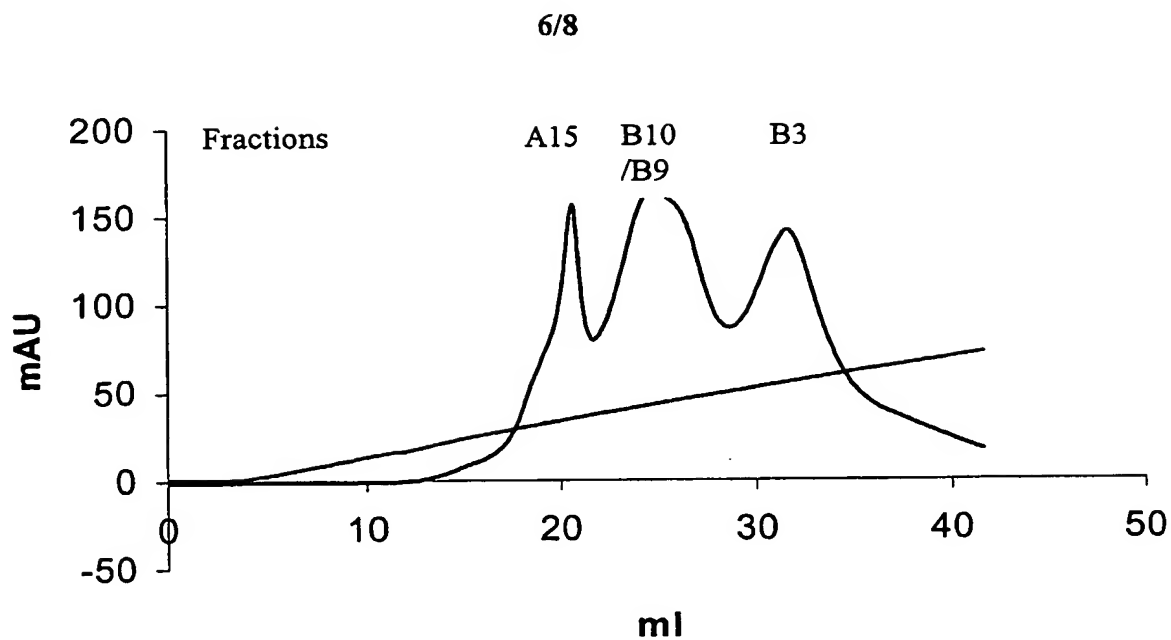


Figure 6

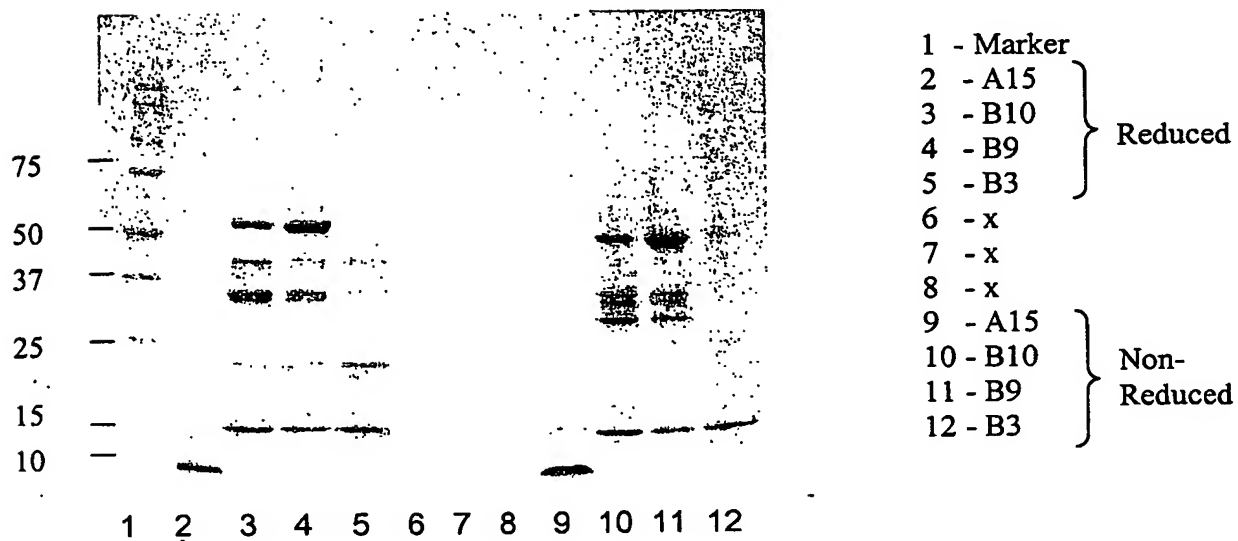


Figure 7

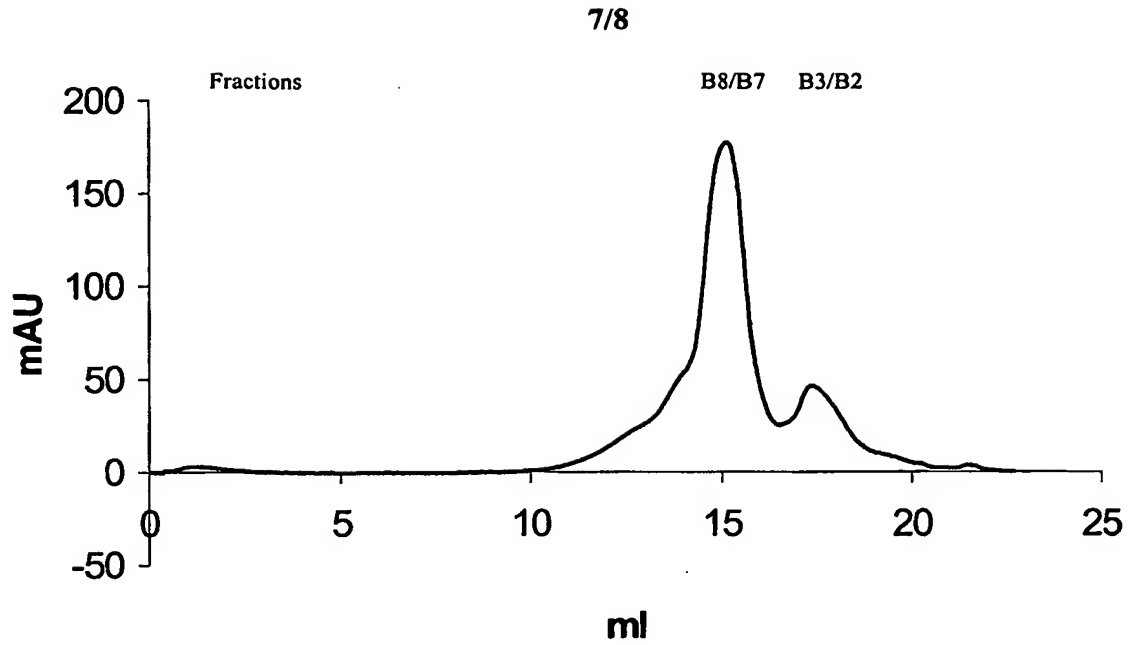


Figure 8

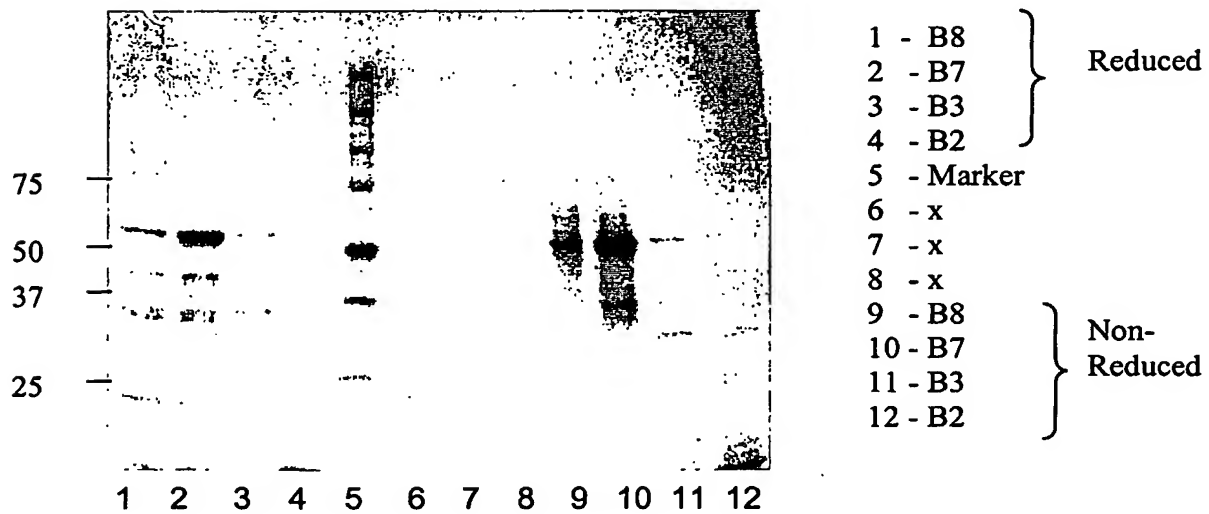


Figure 9

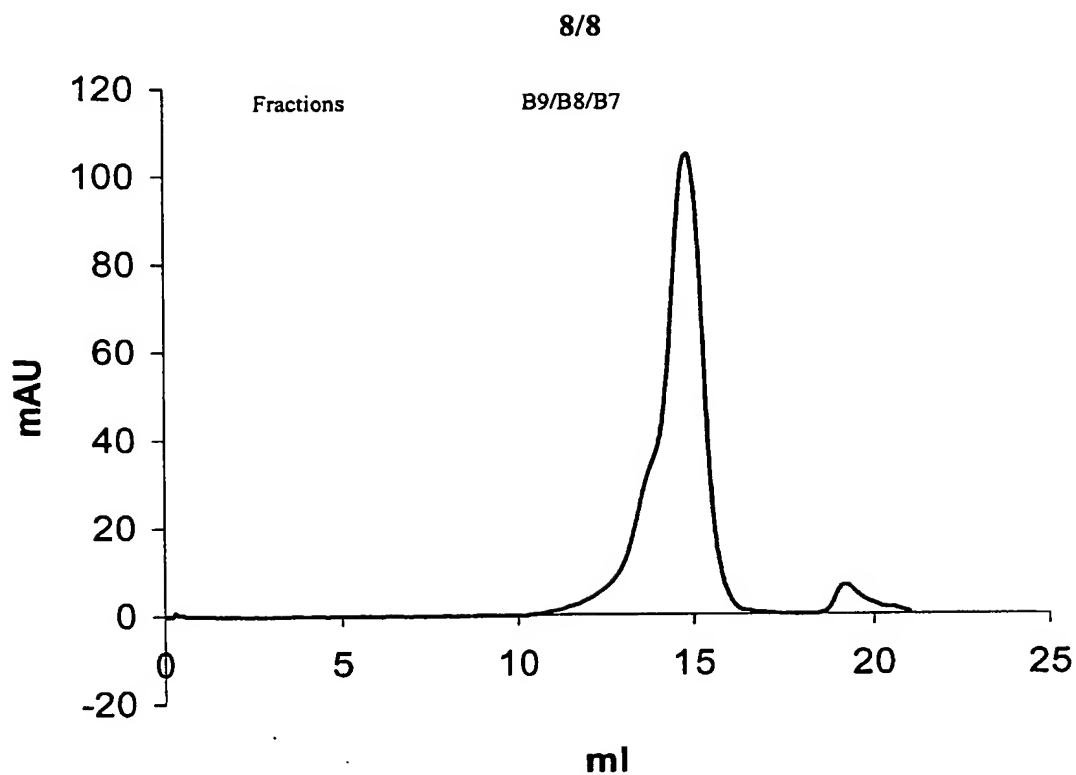


Figure 10

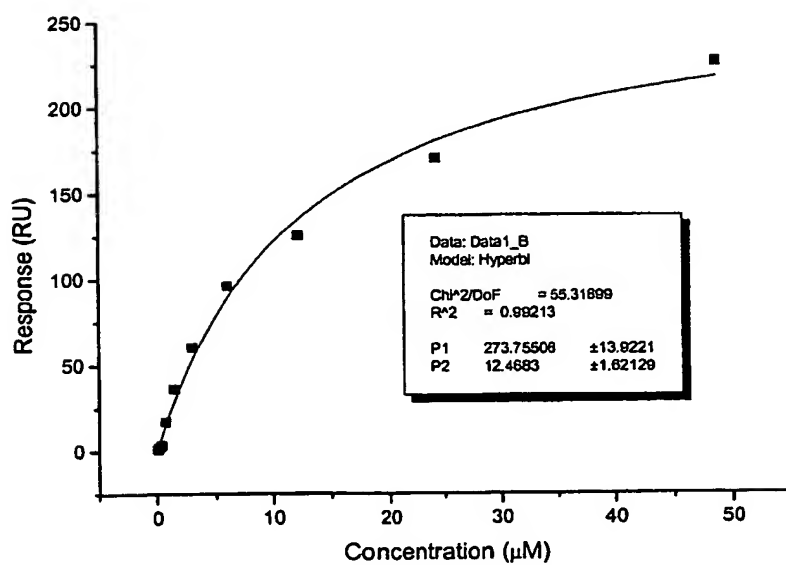


Figure 11